

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) ~~A~~ An isolated tribonectin comprising a boundary-lubricating amount of a polypeptide, said polypeptide comprising the amino acid sequence of SEQ ID NO:1 and at least one O-linked oligosaccharide moiety, wherein the molecular weight of said tribonectin is in the range of 220-280 kDa.
2. (Previously Presented) The tribonectin of claim 1, wherein said moiety is a $\beta(1-3)$ Gal-GalNAc moiety.
3. – 9. (Canceled)
10. (Previously Presented) The tribonectin of claim 1, wherein said O-linked oligosaccharide moiety of said polypeptide reduces the coefficient of friction between bearing surfaces.
11. (Currently Amended) The tribonectin of claim 1, wherein said O-linked oligosaccharide moiety of said tribonectin ~~is characterized as reducing~~ reduces the coefficient of friction between bearing surfaces in vitro.
12. (Currently Amended) The tribonectin of claim 1, wherein said O-linked oligosaccharide moiety of said tribonectin ~~is characterized as reducing~~ reduces the coefficient of friction between bearing surfaces in vivo.
13. (Previously Presented) The tribonectin of claim 1, wherein addition of said tribonectin to a solution does not increase the viscosity of said solution by more than 10%.

14 – 15. (Canceled)

16. (Previously Presented) The tribonectin of claim 1, wherein at least 10% of said tribonectin is glycosylated by said O-linked oligosaccharide moiety.

17. (Previously Presented) The tribonectin of claim 1, wherein at least 40% of said tribonectin is glycosylated by said O-linked oligosaccharide moiety.

18. - 39. (Canceled)

40. (Previously Presented) A biocompatible composition comprising a the isolated tribonectin of claim 1, wherein said composition is in the form of a film, membrane, foam, gel, or fiber.

41. – 54. (Canceled)

55. (Previously Presented) The tribonectin of claim 1, further comprising hyaluronic acid.

56. (Allowed) A composition comprising a boundary-lubricating polypeptide encoded by a nucleic acid consisting essentially of exon 1, 2, 3, 4, and 6-12 of a human megakaryocyte stimulating factor gene.

57. (Canceled)

58. (Allowed) A composition comprising a boundary-lubricating polypeptide encoded by a nucleic acid consisting essentially of exon 1, 3, and 6-12 of a human megakaryocyte stimulating factor gene.

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59. (Allowed) A composition comprising a boundary-lubricating polypeptide encoded by a nucleic acid consisting essentially of exon 1 and 6-12 of a human megakaryocyte stimulating factor gene.